

July 13-19, 2000

Terra encountered multiple star-tracker hits and occasional Earth sensor hits due to the increase in solar flare activities during the solar storm last weekend. There was also a marked increase in MDA2 BITE failures on the high gain antenna resulting in late acquisition of sensor and some data loss.

On day 196 (July 14), there were two ASTER data losses due to the MDA2 byte anomaly. One at 15:23:39 zulu and one 21:09:30 zulu. As a result of the MDA2 BITE anomalies, S-Band Transponder-2 was left on for the weekend (July 14 - 16), in order to facilitate blind acquisitions that may be required due the MDA2 BITE failures.

Due to Ground System Interface Facility recorder problems on Day 199 (July 17), the playback was not captured which resulted in MODIS and MISR data losses.

Current configuration for spacecraft and all instruments is nominal.

The MODIS space view door was opened further. There was no impact to the temperature increases. The next step is to work a decontamination plan.

The MODIS roll maneuver on July 21 was successfully conducted.

Terra Plans:<br>

Another Drag Make-up Maneuver is scheduled for Aug. 2, 2000 (or day 215 at 19:30:00 z). The maneuver will include a 24-second burn of onboard thrusters.